



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

DEVAL L. PATRICK
Governor

RICHARD K. SULLIVAN JR.
Secretary

KENNETH L. KIMMELL
Commissioner

June 28, 2013

Thomas Lake
Director of Facilities
Saint Anne's Hospital
795 Middle Street
Fall River, MA 02721

RE: Fall River
Transmittal No.: X254516
Application No.: SE-13-004
Fee Class: SM79-R
FMF No.: 132929
310 CMR 7.02(10)
**RESTRICTED EMISSION
STATUS APPROVAL**

Dear Mr. Lake:

The Massachusetts Department of Environmental Protection ("MassDEP") has determined that the above referenced Restricted Emission Status ("RES") Application is administratively and technically complete. MassDEP hereby **approves** your RES Application legally limiting the amount of federal potential emissions from your facility through a restriction on the fuels used and other restrictions as noted herein. **This RES Approval, supersedes RES Approval No. 4R94148, issued to you by MassDEP on March 16, 1995, in its entirety.**

This **RES Approval** will be issued in accordance with Regulation 310 CMR 7.02(10) of the Air Pollution Control Regulations ("Regulations"), Regulation 310 CMR 7.00 as adopted pursuant to M.G.L. c.111, Sections 142A-142N.

Included as part of this RES Approval are the following:

- Special Conditions for RES
- General Conditions for RES
- Appeal Rights

Notice of the proposal to approve the RES was published in the Herald News newspaper edition on May 24, 2013 in accordance with the requirements of 310 CMR 7.02(10), followed by a mandatory minimum thirty (30) day public comment period that ended on June 23, 2013. During the public comment period, no comments were received.

Please review the entire RES Approval carefully as it stipulates the particular conditions the facility owner/operator must comply with for the facility to be operated in compliance with the Regulations.

MassDEP has determined that the filing of an Environmental Notification Form (“ENF”) with the Secretary of Energy and Environmental Affairs, for air quality purposes, was not required prior to this action by MassDEP. Notwithstanding this determination, the Massachusetts Environmental Policy Act and Regulation 310 CMR 11.00, Section 11.04, provide certain “Fail-Safe Provisions” which allow the Secretary to require the filing of an ENF and/or Environmental Impact Report (“EIR”) at a later time.

Should you have any questions concerning this RES Approval, please contact Dan Kamieniecki at (508) 946-2717.

Sincerely,

This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.

Thomas Cushing, Chief
Permit Section
Bureau of Waste Prevention

ecc: Fire Department, Fall River
Board of Health, Fall River
Mayor, Fall River – W. Flanagan
Southeastern Regional Planning District – W. Napolitano
MassDEP/Boston – Y. Tian
MassDEP/SERO – M. Pinaud, L. Black, T. Cushing
EPA – Region 1, Clean Air Program – D. Dahl
Saint Anne's Hospital – T. Lake
Mill Creek Environmental Consulting, Inc. – B. Fuller

I. SPECIAL CONDITIONS FOR RESTRICTED EMISSION STATUS APPROVAL

A. EQUIPMENT DESCRIPTION

1. Table 1 below shows the existing Saint Anne's Hospital facility-wide federal potential emission limits for nitrogen oxides and sulfur dioxide, as restricted via existing Final Restricted Emission Status (RES) Approval No. 4R94148, and subsequently installed equipment. Current facility equipment includes six Emission Units (EUs):

Table 1		
Pollutant	Current Facility-Wide, Total Restricted Emission Limit, tons per month	Current Facility-Wide, Total Restricted Emission Limit, tons per consecutive 12-month period
Nitrogen Oxides (NO _x)	2.50	11.28
Sulfur Dioxide (SO ₂)	3.49	26.66

2. Saint Anne's Hospital has submitted information via a BWP AQ 09 RES Application as a means to restrict potential emissions below operating permit program thresholds. Saint Anne's Hospital proposes to operate the following equipment in Table 2 at your 795 Middle Street, Fall River, MA facility:

Table 2							
EU #	Description of EU	EU Manufacturer and Model Number	Fuel	NO _x Emission Factor ¹	SO ₂ Emission Factor ¹	Maximum Energy Input Rating, MMBtu/hr ²	Maximum Fuel Firing Rate
1	Boiler	Kewanee Rotary Cup G3184	No. 6 Fuel oil	55 lbs/1000 gal	157 lbs/1000gal	14.7	100 gal/hr
2	Boiler	Cleaver Brooks CB400-300-150	No. 6 Fuel Oil	55 lbs/1000 gal	157 lbs/1000gal	12.6 ³	83.5 gal/hr
			Natural Gas	100 lbs/MMcu.ft	0.6 lbs/MMcu.ft		12,600 cu.ft/hr
3	Boiler	Cleaver Brooks CB400-300-150	No. 6 Fuel Oil	55 lbs/1000 gal	157 lbs/1000gal	16.8 ³	111.5 gal/hr
			Natural Gas	100 lbs/MMcu.ft	0.6 lbs/MMcu.ft		16,800 cu.ft/hr
4	Diesel Generator	Caterpillar C27	ULSD Fuel Oil	11.55 lbs/hour	negligible	7.3	53.6 gal/hr
5	Diesel Generator	Superior 365 R161		17.36 lbs/hour	negligible	2.9	21.0 gal/hr
6	Diesel Generator	Superior 365 R161				2.9	21.0 gal/hr

Footnotes:

1. Based on EPA AP-42 Chapters 1 & 3, these NO_x and SO₂ emission factors reflect EUs 1, 2, 3, 5 & 6 maximum fuel firing rate. Emission factors for EU 4 based on Caterpillar, Diesel Generator Set, 750 eKw, Engine C27, Document EPD0115-A, August 2012.
2. Maximum fuel firing rate is based upon fuel high heating values of 147,000 Btu/gallon for No. 6 diesel fuel oil, 137,000 Btu/gallon for ULSD fuel oil, and 1,000 Btu/cu.ft for natural gas.
3. Based on natural gas.

Key:

EU = Emission Unit

NO_x = Nitrogen Oxides

SO₂ = Sulfur Dioxide

ULSD = Ultra Low Sulfur Distillate Fuel Oil with less than or equal to 0.0015 percent sulfur content by weight

lbs = pounds

hr = hour

gal = gallons

cu.ft = cubic foot

MMBtu = million British Thermal Units

MMcu.ft = million cubic feet

B. EMISSION LIMITS (SHORT TERM & LONG TERM)

Nitrogen Oxides (NO_x) and Sulfur Dioxide (SO₂) emissions from the subject Saint Anne's Hospital "facility" in Fall River, MA shall be restricted to the emission limits contained in Table 3 below. The "facility" shall include the Emission Units listed above in Table 2 as well as any future installations of equipment at the facility which are either exempt from Plan Approval pursuant to Regulation 310 CMR 7.02, or which will be installed in compliance with the Industry Performance Standards for Boilers, Regulation 310 CMR 7.26 (30) through 7.26 (37) and/or the Industry Performance Standards for Engines and Combustion Turbines, Regulation 310 CMR 7.26 (40) through (44).

Table 3		
Pollutant	Facility-Wide, Total Restricted Emission Limit, tons per month	Facility-Wide, Total Restricted Emission Limit, tons per consecutive 12-month period
Nitrogen Oxides (NO _x)	6.3	31.3
Sulfur Dioxide (SO ₂)	6.6	32.9

C. PRODUCTION LIMITS

Not Applicable.

D. OPERATING LIMITS

1. Saint Anne's Hospital shall restrict the amount of No. 6 Fuel Oil used, and the operational hours of its Emission Units (EUs) at the subject facility in Fall River, MA as described in Table 4 below:

Table 4			
Fuel	EU #	Monthly Restrictions	Consecutive 12-Month Period Restrictions
No. 6 Fuel Oil	1, 2, & 3 combined	83,614 gallons, combined	418,070 gallons, combined
Natural Gas	2 & 3 combined	None	None
ULSD Fuel Oil	4	300 operational hours	300 operational hours
	5	300 operational hours	300 operational hours
	6	300 operational hours	300 operational hours

Key:

EU = Emission Unit

ULSD = Ultra Low Sulfur Distillate

2. The sulfur content of the ULSD Fuel Oil used at this facility shall not exceed 0.0015 percent by weight.

E. MONITORING REQUIREMENTS

See GENERAL CONDITIONS I. and J. below.

Saint Anne's Hospital shall monitor facility operations to ensure compliance with the NO_x and SO₂ emission limits and operational limits specified herein including but not limited to: a) maintaining efficient operation of the subject emission units; b) the installation, operation and maintenance of non-resettable totalizing run time meters, that measure and totalize for the

facility personnel to read, on all EUs, to verify compliance with the fuel usage and operating hour restrictions contained herein. In addition, Saint Anne's Hospital shall perform stack testing on the subject equipment when and if in the opinion of MassDEP such is deemed necessary.

F. RECORD KEEPING REQUIREMENTS

See GENERAL CONDITION K. below.

Saint Anne's Hospital shall maintain operational run time logs or fuel consumption logs for the subject emission units on monthly and consecutive 12-month periods. Said operational run time logs or fuel consumption logs shall contain: the fuel usage for each emission unit, type of fuel burned each month, the sulfur content of fuel oil used, the resulting monthly emissions from said operation run time logs and fuel consumption logs, and resulting emissions for the previous twelve months (the total from the current month's operational run times and fuel consumption plus the sum of the operational run times and fuel consumptions for the eleven months preceding the current month). The fuel burned shall be calculated by the multiplying the operational run time(s) and maximum fuel firing rate (as contained in Table 2 of this Approval). A copy of these operational run time logs and fuel consumption logs must be kept on site. An interactive Microsoft Excel on-site record keeping form can be downloaded at <http://www.mass.gov/dep/air/approvals/aqforms.htm#report>.

In addition, Saint Anne's Hospital shall maintain accurate and timely records documenting all combustion equipment retirements, replacements, and installations on-site and shall make said records available to MassDEP personnel upon request.

G. REPORTING REQUIREMENTS

See GENERAL CONDITION L. below.

Saint Anne's Hospital shall submit a Restricted Emission Status Exceedance Report (RESER) to MassDEP should it exceed any limitation/restriction established within this RES Approval. Said RESER report shall be submitted to this Office within seven (7) days of documentation of the exceedance of any limitation/restriction by Saint Anne's Hospital personnel. The RESER shall include identification, duration, and reason for the exceedance, and remedial action plan to prevent future exceedances.

Saint Anne's Hospital shall be required to submit, on or before March 15th of each year, an Annual RES Compliance Report (ARESCR) to the Southeast Regional Office of MassDEP that documents the compliance status of the facility, for the previous Calendar Year, with respect to the limitations/restrictions established within this RES Approval. Saint Anne's Hospital shall utilize MassDEP's Annual Emissions Reporting Form, available in interactive Microsoft Excel format at: <http://www.mass.gov/dep/air/approvals/aqforms.htm#report>.

H. OTHER CONDITIONS

1. This RES supersedes RES No. 4R94148, dated March 16, 1995. RES No. 4R94148 shall be deemed null and void. The underlying application for RES No. 4R94148 shall continue to remain valid.

II. GENERAL CONDITIONS FOR RESTRICTED EMISSION STATUS APPROVAL

A. OPERATION - No person shall operate this facility except in conformance with the requirements established in this Restricted Emission Status Approval.

B. SUSPENSION - This Approval may be suspended, modified, or revoked by MassDEP if, at any time, MassDEP determines that the facility is violating any condition or part of the Approval.

C. OTHER REGULATIONS - This Approval does not negate the responsibility of the owner/operator to comply with this or any other applicable federal, state, or local regulations now or in the future. Nor does this Approval imply compliance with any other applicable federal, state or local regulation now or in the future.

D. EXISTING APPROVALS - All plan Approvals issued under Regulation 310 CMR 7.02 prior to the effective date of this RES Approval shall continue to meet the emission rates and approved conditions specified in the applicable plan Approval(s) unless specifically altered by this RES Approval.

E. VISIBLE EMISSIONS - The facility shall be operated in a manner to prevent the occurrence of visible emissions which cause or contribute to a condition of air pollution as defined in Regulations 310 CMR 7.01 and 7.06.

F. DUST AND ODOR - The facility shall be operated in a manner to prevent the occurrence of dust or odor conditions which cause or contribute to a condition of air pollution as defined in Regulations 310 CMR 7.01 and 7.09.

G. NOISE - Noise from the facility during routine operation, including startups and shutdowns, shall not exceed MassDEP noise guidelines and shall not cause a condition of air pollution as defined in Regulations 310 CMR 7.01 and 7.10.

H. ASBESTOS - Should asbestos remediation/removal be required as a result of this RES Approval, such asbestos remediation/removal shall be done in accordance with Regulation 310 CMR 7.15.

I. MONITORING - Equipment or emission monitoring systems installed for the purpose of documenting compliance with this Approval shall be installed, calibrated, maintained and operated in sufficient manner to ensure continuous and accurate operation at all times.

J. TESTING - Any emission testing to be compared to limitations in this Approval must be conducted in accordance with the Environmental Protection Agency test methods as specified in the Code of Federal Regulations, Title 40, Part 60, Appendix A - Standards of Performance for New Stationary Sources or by another method correlated to the above method to the satisfaction of MassDEP and in accordance with the requirements noted in Regulation 310 CMR 7.13.

In accordance with Regulation 310 CMR 7.04(4)(a), each fuel utilization facility having an energy input capacity equal to or greater than 3,000,000 Btu per hour shall be inspected and maintained in accordance with the manufacturer's recommendations and tested for efficient operation at least once in each calendar year. The results of said inspection, maintenance and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near the subject equipment.

K. RECORD KEEPING - A record keeping system shall be established and continued on site. All records shall be maintained up-to-date such that year-to-date information is readily available for MassDEP examination. Record keeping shall, at a minimum, include:

a) Compliance records sufficient to demonstrate that emissions have not exceeded what is allowed by this RES Approval. Such records may include daily production records, raw material usage rates, fuel purchase receipts, emissions test results, monitoring equipment data and reports.

b) Maintenance: A record of routine maintenance activities performed on emission unit control equipment and monitoring equipment including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed.

c) Malfunctions: A record of all malfunctions of emission unit control and monitoring equipment including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the emission unit returned to compliance.

d) All records shall be kept on site for five (5) years and shall be made available to MassDEP upon request.

L. REPORTING - In accordance with Regulation 310 CMR 7.12, the facility shall file Source Registration on-line detailing information regarding the facility's emissions. The required information may include:

a) The nature and amounts of emissions from the facility.

b) Information which may be needed to determine the nature and amounts of emissions from the facility.

c) Any other information pertaining to the facility which MassDEP requires.

d) In accordance with Regulation 310 CMR 7.12(2), information required by Regulation 310 CMR 7.12(1)(a) shall be submitted annually.

e) The Regional Bureau of Waste Prevention, Compliance and Enforcement Office must be notified by telephone or fax as soon as possible after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/or a condition of air pollution.

M. MODIFICATIONS - Any proposed increase in emissions above the limits contained in this RES Approval must first be approved in writing by MassDEP pursuant to Regulation 310 CMR 7.02. In addition, any increase may subject the facility to additional regulatory requirements.

N. REMOVAL OF AIR POLLUTION CONTROL EQUIPMENT - No person shall cause, suffer, allow, or permit the removal, alteration or shall otherwise render inoperative any air pollution control equipment or equipment used to monitor emissions which has been installed as a requirement of Regulation 310 CMR 7.00, other than for reasonable maintenance periods or unexpected and unavoidable failure of the equipment, provided that MassDEP has been notified of such failure, or in accordance with specific written Approval of MassDEP.

III. APPEAL OF APPROVAL

This Approval is an action of MassDEP. If you are aggrieved by this action, you may request an adjudicatory hearing. A request for a hearing must be made in writing and postmarked within twenty-one (21) days of the date you received this Approval.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts, which are the grounds for the request, and the relief sought. Additionally, the request must state why the Approval is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

This request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver as described below. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

MassDEP may waive the adjudicatory hearing-filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.